



## Functional Briefing: OLS.Vault and Tokenization

**Positioning Statement:** OLS.Vault is a set of capabilities that allow merchants to process payment transactions using substitute card values as opposed to card numbers. Tokenization replaces primary account numbers with randomly generated unique identifiers, referred to as tokens. By linking cardholder information to a tokenized value, merchants may secure this data while reducing risk and the costs associated with PCI assessment. Further, since merchants need never store credit card information for post authorization or recurring transactions, fraud protection and overall security are greatly improved.

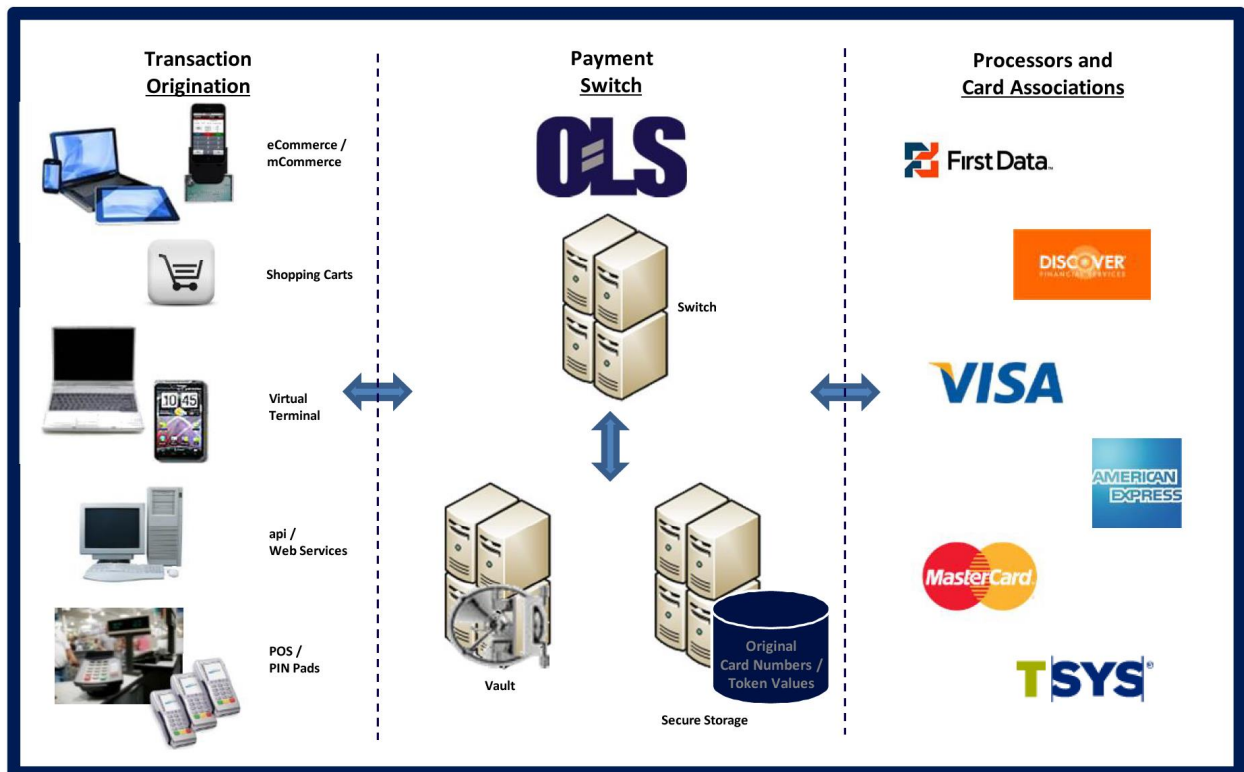
OLS.Vault also allows web-enabled merchants to store encrypted card information along with customer-associated permanent or temporary tokens to speed order processing for online transactions. Tokenization supports both eCommerce transactions and onsite transactions initiated directly from merchant POS acquiring systems.

**Capabilities:** OLS.Vault and Tokenization are components of OLS.Switch and support the following key functions:

- Ability to register for a permanent token
- Supports token generation on each transaction
- Card Security Code check for card authentication
- Supports add/deleting tokens from system
- Enables transaction lookup using token value
- Customer-provided or system-generated tokens
- API lookup of real card value using tokens
- PCI-compliant encryption for data storage
- Token value conversion for authorization

**Markets:** OLS.Vault and Tokenization is available to merchants wanting to reduce their PCI DSS scope and associated compliance costs through the replacement of card data with token information that is useless to anyone looking to commit fraud. Removing card data during the payment process offers end-to-end security between the merchant and OLS in a services provider environment.

## Example Implementation: OLS.Vault and Tokenization



## Results / ROI

- Ensures a more secure payment environment for consumers and merchants
- Improves the shopping experience with faster checkout
- Improves merchant positioning, attractiveness and competitive edge
- Expands payment flexibility, control and security
- Increases transaction processing and throughput speed
- Improved security may reduce regulatory compliance costs and interchange fees
- Minimizes lost sales due to fraud
- Offers significant and measurable operational and profitability improvement